

Abstract

A device for the determination of the frictional characteristics of large surfaces comprising: a frame; a drive motor mounted atop the frame; a drive train; 5 a horizontal measurement arm attached to the drive train and capable of circular rotation; a spherical frictional slider attached to the distal end of the measurement arm that contacts and slides along a surface under evaluation; the frictional slider comprising a spherical member that directly engages the surface under evaluation; and a tangential force detector on the measurement arm to measure the resistance 10 encountered by the spherical member as it slides along the surface under evaluation.